

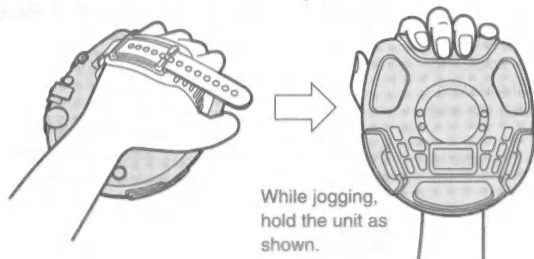
Attaching the hand grip

Attach the included hand grip to make it easier to carry while jogging.

- 1 Thread the strap through the loops on the bottom of the unit.



- 2 Adjust the buckle and fix it in place.



While jogging,
hold the unit as
shown.

Note

To prevent sound being interrupted while jogging, turn on the anti-skip function (page 3).

Portable CD Player

Panasonic®

Dear Customer

Thank you for purchasing this product.
For optimum performance and safety,
please read these instructions carefully.

Operating Instructions

Model No.
SL-SW899V

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.

MODEL NUMBER **SL-SW899V**
SERIAL NUMBER _____



COMPACT
disc
DIGITAL AUDIO

Supplied Accessories

Check the packing carton for these accessories.

AC adaptor 1	Stereo headphones 1
(RFEA415C-1S)	(RFEV717P-HS)
Wired remote control 1	Hand grip 1
(RFEV012PCKS)	(RGQT0006-K)

Use numbers indicated in parentheses when asking for replacement parts.
(Only for U.S.A.) To order accessories contact 1-800-332-5368 or web site
(<http://www.panasonic.com>).

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.



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Precautions

Before using this unit, be sure to read the applicable items of the operating instructions and these safety suggestions carefully.

Afterwards keep them handy for future reference. Take special care to follow the warnings indicated on the unit itself as well as in the operating instructions.

Safety

1. **Power Source**—The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit. Use only the AC adaptor or car adaptor described in the operating instructions when recharging.
2. **Polarization**—If the unit is equipped with a polarized AC power plug (a plug having one blade wider than the other), that plug will fit into the AC outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
3. **Care of AC adaptor**—Take care that the cord of the AC adaptor should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the AC adaptor if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
4. **Nonuse Periods**—When not in use, be sure to disconnect the AC adaptor from the AC power outlet.
5. **Batteries**—If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage. Do not mix batteries (old and new) or different types of batteries.

Installation

Environment

1. **Water and Moisture**—Do not use this unit near water—for example, near a bathtub, washbowl, swimming pool, or the like. Damp basements should also be avoided.
2. **Condensation**—Moisture may form on the lens in the following conditions...
 - immediately after a heater has been turned on.
 - in a steamy or very humid room.
 - when the unit is suddenly moved from a cold environment to a warm one. If moisture forms inside this unit, it may not operate properly. To correct this problem wait about one hour for the moisture to evaporate.
3. **Heat**—Never use or place this unit near a heat source. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.

Placement

1. **Foreign Material**—Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
2. **Magnetism**—The unit should be situated away from equipment or devices that generate strong magnetic fields.
3. **Stacking**—Do not place any objects, on top of the unit.
4. **Wall or Ceiling Mounting**—The unit should not be mounted to a wall or ceiling, unless specified in this operating instructions.

Maintenance

(See page 5 for details.)

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

Service

1. **Damage Requiring Service**—The unit should be serviced by qualified service personnel when:
 - (a) The AC adaptor is damaged; or
 - (b) Objects have fallen or liquid has been spilled into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not appear to operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped, or the enclosure damaged.
2. **Servicing**—The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to an authorized service personnel.

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).
In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicentre nearest you.



This manual was printed with soy based ink.

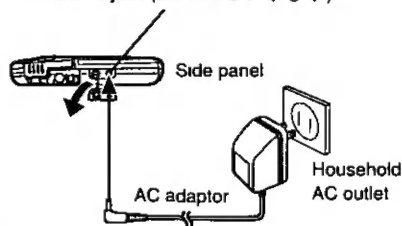
Power Supply Preparations

Refer to the specifications (page 8) for information on operating time when using rechargeable batteries or dry-cell batteries

Using the AC adaptor

Open the rubber cap and connect the AC adaptor

DC IN jack (DC IN 4.5 V $\oplus \ominus$)



Note

Turn the unit off before connecting or disconnecting the AC adaptor

Conserving power

The AC adaptor consumes 1.7 W when the unit is turned off with [■] OPR OFF. To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet. Reprogram tracks if necessary before use.

Using rechargeable batteries (not included)

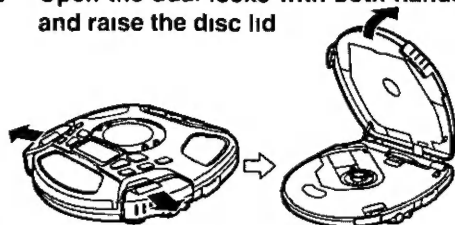
Obtain the optional rechargeable batteries

- Optional batteries (P-3GAVA/2B)

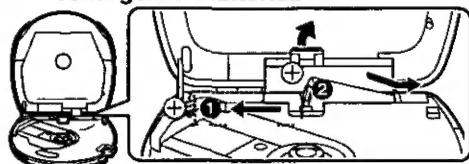
Recharge the batteries before use. The unit cannot be used to charge rechargeable batteries other than those specially designed for it.

Recharging procedure

- 1 Open the dual locks with both hands and raise the disc lid



- 2 Open the battery lid, and insert the rechargeable batteries



Be sure to close the battery lid properly

- 3 Open the rubber cap and connect the AC adaptor

Refer to "Using the AC adaptor" for connection instructions

When recharging starts, the "4" charging indicator flashes on and off on the display.

The indicator disappears when the rechargeable batteries are fully recharged.

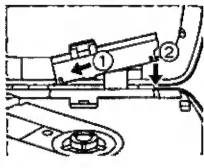
- 4 When recharging is complete, unplug the AC adaptor from the household AC outlet and the DC IN jack

Note

- Rechargeable batteries have a service life of approximately 300 charge-discharge cycles. If the operating time on one full charge becomes noticeably shorter, the battery has reached the end of its service life and should be replaced.
- Recharging may only be performed when the unit is off.
- The AC adaptor and rechargeable batteries may become warm while recharging is in progress. This is not a malfunction.
- The rechargeable batteries should be changed when the unit is off.

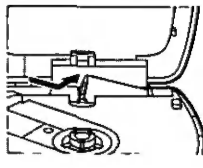
If the battery lid comes loose

Insert the protrusions on the lid into the cutouts on both sides of the compartment.



Removing batteries

Push up on the battery in the direction indicated by the arrow, then lift out.



Using the car adaptor (not included)

Be sure to obtain the car adaptor (SH CDC9) available as an optional accessory.

CAUTION:

Use only car adaptor, Model SH-CDC9 manufactured by Matsushita Electric Industrial Co., Ltd.

The car adaptor can be used to recharge the unit's batteries while in the car.

Using dry-cell batteries (not included)

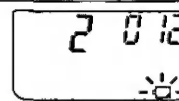
After disconnecting the AC adaptor, insert two "AA" (LR6) alkaline batteries.

The procedure for inserting and removing dry-cell batteries is identical to that for rechargeable batteries.

Note

The dry-cell batteries should be changed when the unit is off.

When the battery indicator flashes



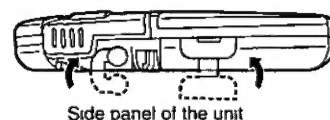
Battery indicator

Power is cut off a short while later. Recharge the rechargeable batteries or replace the dry-cell batteries with new ones.

Note

- How long the unit continues to operate after the battery indicator starts flashing depends on the type of batteries and on whether you are using the unit to play CDs or the radio.
- The battery indicator may not flash if rechargeable batteries other than those designated by Panasonic are used.

If the unit malfunctions or freezes during use, disconnect the power source (the AC adaptor or batteries). Re-connect the power source and continue operation.



Side panel of the unit

Be sure to cover the headphone jack, OUT jack and DC IN jack with the rubber caps when they are not in use.

HOLD Function

This function enables the unit to ignore accidental button presses. (The disc lid can still be opened and closed.)

HOLD function prevents the following

- Turning on the unit accidentally (which can cause the batteries to run down)
- Play being cut off unexpectedly in the middle of a selection

To use the HOLD function

Set [HOLD] to the HOLD position.

The unit and wired remote control each have independent [HOLD] switches.

(The hold indicator turns green when the remote control HOLD function is on.)

"hold" Indication

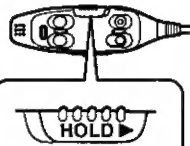
When the unit HOLD function is on, pressing any button causes the indication "hold" to appear on the display.

When the unit is off

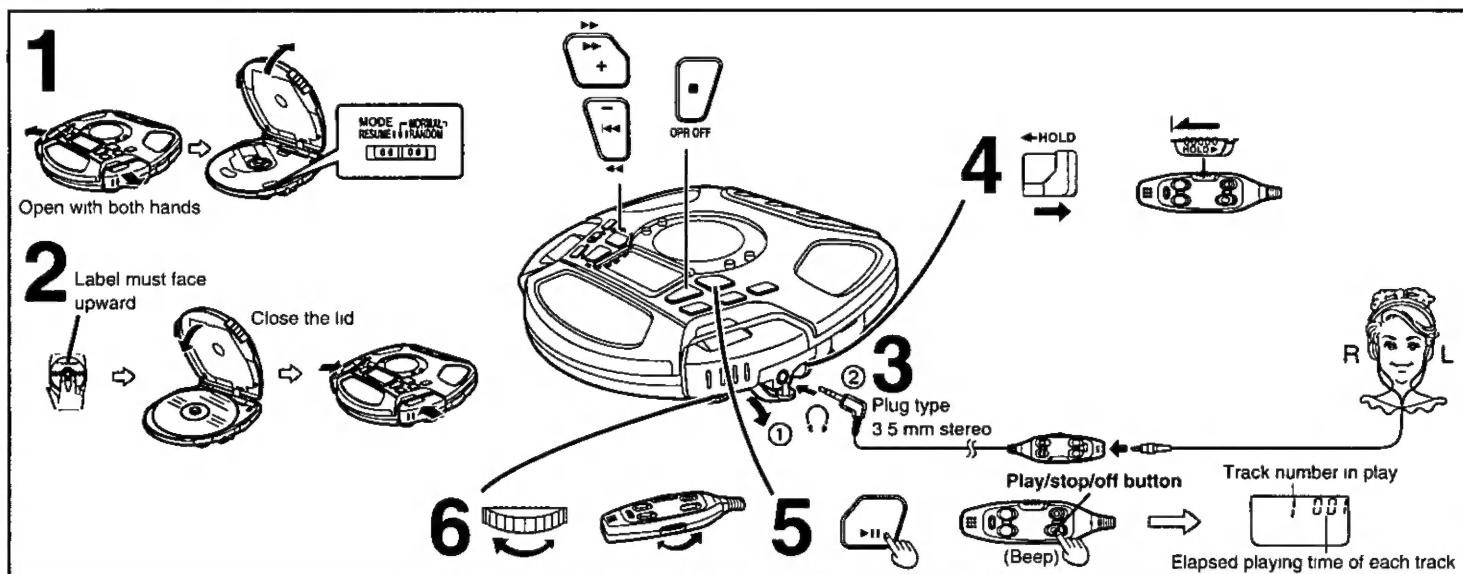
"hold" appears only when [▶||] or [RADIO/BAND] is pressed.

Before operating the buttons

Be sure to move [HOLD] to release the unit from the hold mode.



Hold mode



1 Unlock the dual locks and open the disc lid. Set [MODE] to the NORMAL position.

2 Insert the disc. Close the disc lid and lock the dual locks.

3 Connect the wired remote control and the stereo headphones to [] (Plug in firmly).

4 Release HOLD.

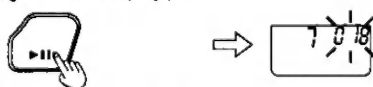
5 Press [▶] (main unit) or press the play/stop/off button (remote control) to start play. (Play stops when all the tracks have been played.)

6 Adjust the volume.

If you connected the unit to a car audio system, set the volume on this unit to between 4 and 6, then adjust the volume on the system. (The numbers indicating volume are on the bottom of the dial.)

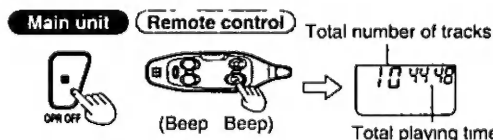
■ **To pause play** (Only on the main unit)

Press during play.
(Press again to restart play.)



■ **To stop play** Stop mode

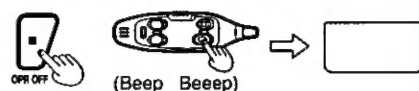
Press during play.



■ **To turn off the unit** Off mode

Press during stop mode (main unit) or press and hold during play or stop mode (remote control).

Main unit Remote control

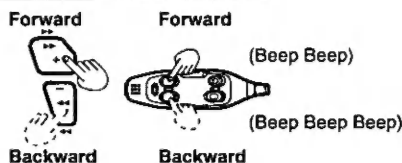


■ **Skip / Search function**

Skip function Press during play.

Search function Press and hold during play.

Main unit Remote control



• During program play (page 4), these buttons are used to skip forward or back through the programmed sequence of tracks.

• During random play (page 4), the skip buttons cannot be used to skip back to tracks that were played previously in the random sequence.

• During program play, random play or 1-track repeat play (page 4), search operation is limited to the current track only.

Operation confirmation tones of the remote control

When an operation button is pressed, a confirmation tone sounds. Refer to the parentheses in the illustrations for the different types of confirmation tones.

For your reference

“no disc” Indication

This indication appears for about 30 seconds if [▶] is pressed when no disc is loaded in the unit or if the disc is not completely seated.

“OPEN” Indication

This indication appears for about 10 minutes when the cover is opened. (However, the indication does not appear when the unit is turned off.)

Auto power off function

If the unit is left in stop or paused mode for approximately 10 minutes, the unit turns itself off automatically in order to prevent the batteries from running down. (If no disc is loaded in the unit it turns itself off in 30 seconds.)

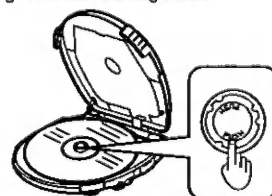
Removing discs

1 Press [■, OPR OFF] to stop play and disc rotation.

2 Unlock the dual locks to open the lid.

3 Press [PUSH] to release the disc.

Do not stop the disc by hand or try to remove it before it stops rotating. This can damage CDs.



Note

Never insert foreign objects into the unit.

Anti-Skip System

The letters such as G in the various illustrations refer to the descriptions in the “Location of Controls” section. (See page 4.)

This system deals with skipping in a variety of ways.

- An anti-skip mechanism prevents skipping caused when play speed changes due to swinging of the unit.
- A recovery system immediately returns the laser pick-up to its original position if it is knocked off the track by a strong shock.
- The 40-second anti-skip memory fills in interruptions caused by bumps and vibrations.

Press during play or stop mode



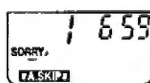
The following indicator appears on the display

Note

If you have pressed [FM RECEPT = CITY/NOR A SKIP] when the unit is in stop mode, press [▶] to start play.

When bumps continue repeatedly

The following indicator appears on the display and sound is interrupted.



To cancel the anti-skip function

Press [FM RECEPT = CITY/NOR A SKIP] again.

Note

- The anti-skip setting can be changed during play, but this may cause a slight interruption in the sound because the disc's rotational speed changes.
- During anti-skip operation, the disc rotates at a higher rate than usual to collect extra audio data. This could result in a slight increase in disc rotation noise.

Using the unit with an audio system

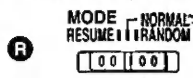
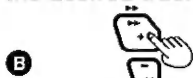

The anti-skip function uses digital signal compression technology. It is recommended that the anti-skip function be canceled if the unit is connected to a home audio system.

The letters such as **R** in the various illustrations refer to the descriptions in the "Location of Controls" section

Skip play

The disc plays from the specified track through to the end of the disc, then play stops automatically

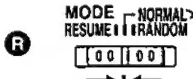
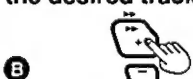
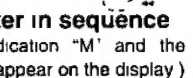

Preparation Put unit in stop mode (page 3)

- 1 
- 2 **Select the desired track** 
- 3 

Program play

Up to 24 tracks can be entered in the programmed sequence

Preparation Put unit in stop mode (page 3)

- 1 
- 2 **Select the desired track.** 
- 3 **Register in sequence**
(The indication "M" and the programmed sequence appear on the display)

- 4 **Repeat steps 2 and 3 to program all the desired tracks**
- 5 

■ **To program the same track in the sequence more than once**

Press [MEMORY/RECALL] the desired number of times

■ **If "f" is displayed**

No more tracks can be programmed



■ **To confirm the contents of the program**

Press [MEMORY/RECALL] while the disc is playing (The numbers of the programmed tracks appear on the display in sequence)

■ **To delete the entire programmed sequence**

Press [M, OPR OFF]

Random play

- 1 
- 2 


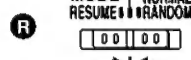
Release

For your reference.

- It is also possible to press the [▶▶ ▶▶ +] while the unit is in stop mode to change the first track to be played (All tracks are played eventually regardless of which is played first)
- Program play is not possible in the random mode

Resume play

This function allows you to listen from the beginning of the track where play stopped because the unit was turned off (or switched to stop mode). It is useful when listening to CDs in the car, etc

- 1 
- 2 

For your reference

- If [MODE] is put in the RESUME position, the all-track repeat function will be activated automatically as soon as the unit is turned on
- If power is cut off near the end of a track (off mode), play may resume from the beginning of the next track
- If the unit is turned off while a disc is playing and then a new disc is inserted, play will begin from the middle of the new disc because the unit remembers the position where play stopped on the previous disc

Repeat function

Press during play or stop mode



Each time the button is pressed

"1" → "ALL" → " " (Cancel)

1 (1-track repeat)

One track is repeated

ALL (All-track repeat)

All the tracks on the disc are repeated

For your reference

If the all-track repeat function is selected during program play only the programmed tracks are repeated (The indication "ALL" is not displayed)

Changing the sound quality

Press during play or stop mode



Each time the button is pressed

"S-XBS" → " " (Cancel)

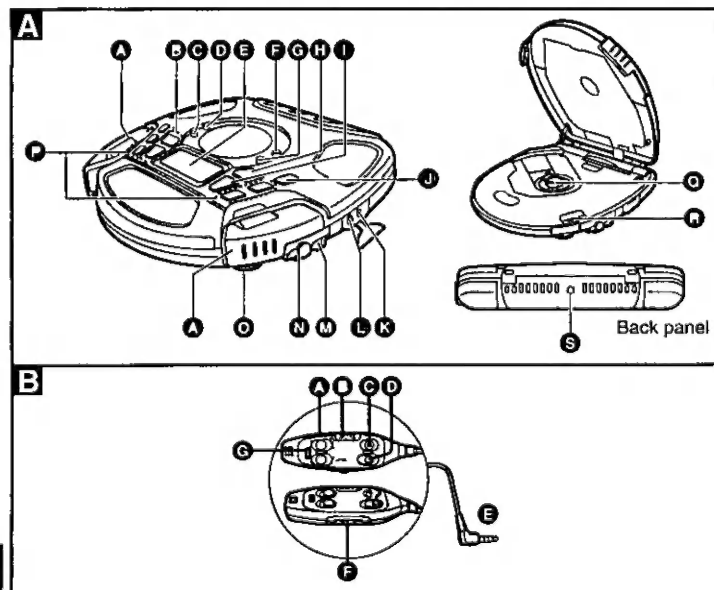
S-XBS

Select this setting to boost the low-range response

Note

This function is not available when using the OUT jack

Location of Controls



Main unit **A**

- A Dual locks (OPEN)
- B Tuning/skip/search buttons (▶▶ ▶▶ +, ◀◀ ◀◀ -)
- C Monaural/stereo, repeat button (FM MODE MONO/ST, ◀▶)
- D Memory/recall button (MEMORY/RECALL)
- E Display
- F S-XBS button (S-XBS)
- G Sensitivity control, anti-skip button (FM RECEPT ◀ CITY/NOR, A SKIP)
- H Play/pause button (▶||)
- I Stop/operation off button (M, OPR OFF)
- J Tuner on/band select button (RADIO/BAND)
- K DC IN jack (DC IN 4.5 V ◀▶▶)
- L Out jack (OUT)
- M Hold switch (HOLD)

- N Headphone jack (◀▶)
- O Headphone volume control (VOLUME)
- P Preset channel buttons (1, 2, 3, 4, 5)
- Q CD release button (PUSH)
- R Play mode selector (MODE)
- S Hole for car mounting base

Wired remote control **B**

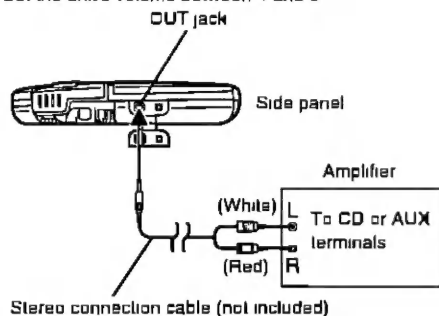
- A Tuning/skip/search buttons (+, -)
- B Hold switch (HOLD)
- C Tuner on/off/band select button (RADIO)
- D Play/stop/off button
- E Plug
- F Volume control (VOL)
- G Hold indicator

Using the Unit with Optional Accessories

Using the unit with an audio system

Using the stereo connection cable (not included) you can listen to CDs on your audio system

- Turn off the amplifier power and connect the cable
- Do not connect the cable to the PHONO jacks on the amplifier
- Obtain the optional connecting cable if the amplifier comes with mini-phone jacks
- Adjust the volume on the amplifier
- You can connect speakers, active or otherwise, with an impedance 16Ω or less to the headphone jacks. Set the unit's volume between 4 and 6



Using the unit with a car audio system

Items to be purchased

For connection to a car audio system

- Car stereo cassette adaptor (SH CDM10A)

Connect the car stereo cassette adaptor to the unit's headphone jack (While doing so, keep the unit's VOLUME control at a setting between 4 and 6)

For securing the unit and connecting the power supply

- Car adaptor (SH-CDC9)
- Car mounting kit (SH CDF20)

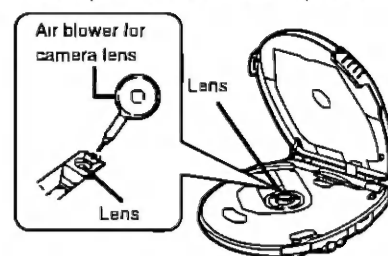
Note

- It may not be possible to use the unit with some types of car stereos due to restrictions imposed by the manufacturer of the car stereo cassette adaptor
- Move the unit away from the car adaptor if noise interferes with the radio

For further details, refer to the instructions of the equipment concerned

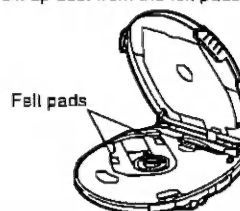
Maintaining the Lens

Open the lid and clean the lens as shown in the figure. Use a cotton swab to gently wipe off any fingerprints. Recommended product: Lens cleaner kit (SZZP1038C)



To prevent the disc from being scratched or damaged

Remove built up dust from the felt pads



Panasonic Consumer Electronics Company Division of Matsushita Electric Corporation of America One Panasonic Way Secaucus, New Jersey 07094

ONLY FOR U.S.A. Panasonic/Technics Audio Products Limited Warranty

Panasonic Sales Company Division of Matsushita Electric Corporation of Puerto Rico, Inc. Ave. 65 de Industrial, Km. 3.5 San Gabriel Industrial Park Carolina, Puerto Rico 00985

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in the event of a defect in materials or workmanship. Area of charge in the U.S.A. or Puerto Rico as follows (all time periods start from the date of original purchase):

AUDIO PRODUCTS—labor and parts for one (1) year

ALL AUDIO RACKS (cabinets)—parts only 30 days

TECHNICS STAND ALONE SPEAKERS SUBWOOFER SPEAKERS—labor and parts for three (3) years

USB READER WRITER, PERSONAL COMPUTER CARD ADAPTERS—(when applicable)—exchange defective unit with a new or refurbished one for one (1) year

ACCESSORIES—HEADPHONES, CARTRIDGES,

MICROPHONES, ADAPTERS—labor and parts for ninety (90) days

RECHARGEABLE BATTERIES—(when applicable)—exchange defective item for new one for ten (10) days. Non rechargeable batteries are not warranted.

SD MEMORY CARDS, RECHARGEABLE BATTERY PACKS—(when applicable)—exchange defective item for new one for ninety (90) days. Non rechargeable battery packs are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free 1-800-211-7252 to locate a PASC authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship

which occur during normal use and does not cover normal wear to the stylus (when applicable) or a dealer installed cartridge or stylus. The warranty does not cover damages which occur in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set up, adjustment, maladjustment of consumer controls, improper operation or maintenance, improper antenna, inadequate signal reception or pick up, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use such as, hotel, office, restaurant or other business or rental use of the product or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY INCLUDING WITH OUT LIMITATION DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the company address indicated above.

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-affixed letter, detailing the complaint, to the outside of the carton.

Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

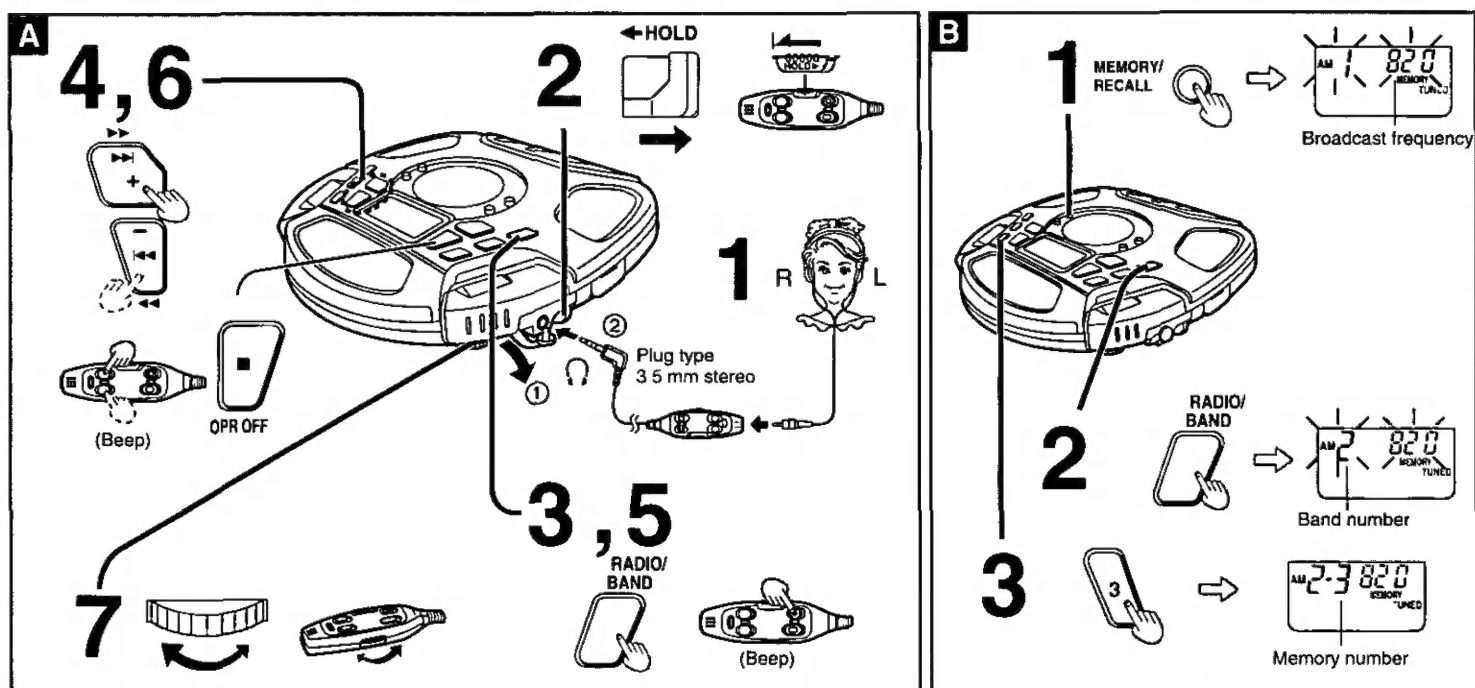
Customer's Record

Model No. _____
Serial No. _____
or _____
Code No. _____
Date of Purchase _____

Dealer's Name _____
Dealer's Address _____

Listening to the Radio

The letters such as **P** in the various illustrations refer to the descriptions in the "Location of Controls" section (See page 4)



Listening Operation

You can tune directly to a station in **Free Mode** by finding the station's frequency, or you can store the station in **Memory Mode** to make tuning simpler



Free Mode

- 1** Connect the wired remote control and the stereo headphones to [P] (Plug in firmly)
 - 2** Release hold
 - 3** Press [RADIO/BAND] (main unit) or [RADIO] (remote control) to turn on the radio
 - 4** Press [▶▶ ▶▶ +, ◀◀ ◀◀ -] to set to Free Mode (Only on the main unit)
 - 5** Press [RADIO/BAND] (main unit) or [RADIO] (remote control) to change the band
Each time the button is pressed
FM ↔ AM
 - 6** Press [▶▶ ▶▶ +, ◀◀ ◀◀ -] (main unit) or [+, -] (remote control) to select the frequency of the station
+ increases frequency
- decreases frequency
- For your reference**
- Press for more than 1.5 seconds to make the frequency change rapidly
 - "TUNED" is displayed when a station is tuned

7 Adjust the volume

■ To turn off the radio

Press [■ OPR OFF] (main unit) or press and hold [RADIO] (remote control)

Storing stations into channels **B**

30 stations can be stored 20 FM and 10 AM
(Only on the main unit)

Preparation

- Connect the headphones as they act as an FM antenna
- Use Free Mode to tune to the station you want to store

- 1** Press [MEMORY/RECALL].
The band number and frequency number flash
- 2** Within 10 seconds
Press [RADIO/BAND] to select a band number to store the station
Each time the button is pressed
When storing an FM station
FM1 → FM2 → FM3 → FM4
When storing an AM station
AM1 → AM2
- 3** Within 10 seconds
Press a preset channel button ([1], [2], [3], [4], [5]) to store the station

For your reference

You can change the frequency by pressing [▶▶ ▶▶ +, ◀◀ ◀◀ -]

Recalling preset stations

Preparation

Perform step 1 – 3 of the Free Mode

- 1** Press a numbered button to switch to Memory Mode.
(Only on the main unit)
- 2** Press to select the band number
Main unit: [RADIO/BAND] button
Remote control: [RADIO] button
Each time the button is pressed
FM1 → FM2 → FM3 → FM4 → AM1 → AM2
- 3** Press a numbered button (main unit) or [+, -] (remote control) to select the channel
Main unit: Preset channel buttons (1-5)
Remote control: [1], [2], [3], [4], [5] buttons
e.g. channel "3" + memory number up / - memory number down
- 4** Adjust the volume

■ To turn off the radio

Press [■, OPR OFF] (main unit) or press and hold [RADIO] (remote control)

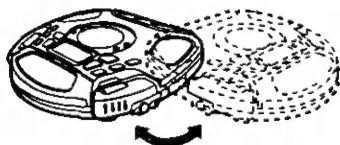
Listening to the Radio

The letters such as **G** in the various illustrations refer to the descriptions in the "Location of Controls" section (See page 4).

To obtain good reception

AM

Try various directions to obtain optimum reception



Note

The AM antenna is located in the rear of the unit. Avoid holding the unit near the rear for clear AM reception

FM

The headphone cord is also an FM antenna, so extend it instead of leaving it coiled

How to receive an FM broadcast clearly

(Only on the main unit)

Press for more than 1.5 seconds during FM reception

Each time the button is pressed



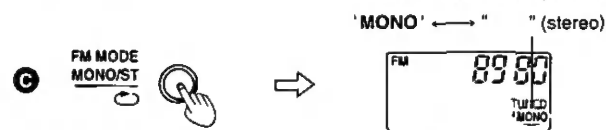
Leave off under normal conditions. Set to "CITY" if reception is poor or if there is interference from another station

To select stereo or monaural FM

Press during FM reception

(Only on the main unit)

Each time the button is pressed



When there is noise during FM reception

Select "MONO"

Sound becomes monaural, but noise is reduced

When using overseas

(Only on the main unit)

Change the frequency step according to the area

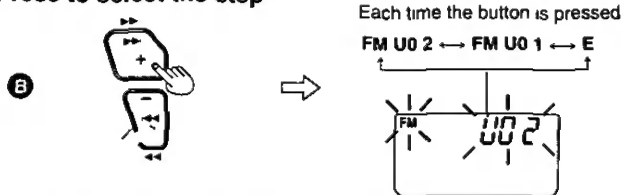
Preparation Press [RADIO/BAND] to switch on the power

1 Press for more than 5 seconds to display the step



2 Within 10 seconds

Press to select the step



FM U0 2 (original setting) FM 0.2 MHz AM 10 kHz

FM U0 1 FM 0.1 MHz AM 10 kHz

E FM 0.05 MHz AM 9 kHz

3 Within 10 seconds

Press and hold until the frequency is displayed to confirm the step.



To return to the previous frequency step

Repeat the above procedure

Note

Changing the step erases the stations previously stored in memory

Changing the sound quality

This operation is the same as for changing the sound quality while playing CDs (See page 4)

Concerning Compact Discs



Only compact discs bearing this mark can be used with this unit

However, continued use of irregular shaped CDs can damage the unit



How to remove a disc from its case

How to store the disc in its case

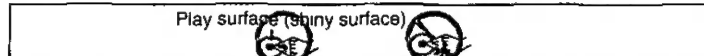


How to hold a disc



If the surface is dirty

Wipe it with a damp cloth and then wipe dry. Wipe from the center toward the outer circumference



Handling precautions

- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ballpoint pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)

• Do not use scratch-proof protectors etc.

Storage precautions

- Be sure to store CDs in their cases to protect them from dust, scratches, and warping.
- Do not place or store CDs in the following places:
 - Locations exposed to direct sunlight
 - Humid or dusty locations
 - Locations directly exposed to a heat vent or heating appliance
 - In the glove compartment or on the rear deck of an automobile

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The product you have purchased is powered by a nickel-cadmium battery which is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.



Specifications

CD SECTION

Audio (Anti-skip off)

No. of channels: 2 (left and right, stereo)
 Frequency response: 20 to 20,000 Hz
 (+0.5 dB to -1.5 dB)
 Output voltage: 0.6 V (50 kΩ)
 S/N: More than 94 dB
 Wow and flutter: Below measurable limit
 DA converter: 1 bit, MASH
 Headphone output level: RMS max. 9 mW+9 mW/16 Ω (adjustable)
Pickup
 Light source: Semiconductor laser
 Wavelength: 780 nm

RADIO SECTION

Frequency

Radio frequency: FM: 87.90–107.90 MHz
 (0.2 MHz steps)
 87.50–108.00 MHz
 (0.1 MHz/
 0.05 MHz steps)
 AM: 520–1710 kHz
 (10 kHz steps)
 522–1629 kHz
 (9 kHz steps)

GENERAL

Power supply: DC 4.5 V
 Power consumption:

Power source	CD (Anti-skip off/on) /RADIO
AC adaptor	2.1 W/2.2 W/1.6 W

When recharging: Approx. 3.0 W

Dimensions

(W×H×D): 133×28.3×142 mm
 (5 1/4"×1 1/4"×5 1/2")
 Mass: 304 g (10.8 oz.)
 (with batteries)
 260 g (9.2 oz.)
 (without batteries)
 Operational temperature range: 0 °C–40 °C
 (32 °F–104 °F)
 Rechargeable temperature range: 5 °C–40 °C
 (41 °F–104 °F)

Play time:

[Approximate operating time in hours (in hold mode with S-XBS canceled, at 25 °C (77 °F) on a flat, stable surface)]

Batteries used	CD (Anti-skip off/on)	RADIO
2 alkaline batteries	20 / 25	58
Optional rechargeable batteries (P-3GAVA/2B)	10 / 12	27

The play time may be less depending on the operating conditions.

Recharging time: About 5 hours

Power consumption in standby mode: 1.7 W

Note:

Specifications are subject to change without notice.

Mass and dimensions are approximate.

Troubleshooting Guide

Before requesting service, make the below checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem:

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicentre nearest you.

Problem	Check this
Cannot close the lid.	Is the disc properly secured in place?
Cannot play discs.	<ul style="list-style-type: none"> Is the unit in HOLD mode? Is the disc properly secured in place? Is the disc dirty or scratched? Is there condensation on the lens? (Wait for about one hour and then try again.)
Tracks on disc do not play in order, starting with the first track.	<ul style="list-style-type: none"> Is the random play mode on? Did you stop play in the middle of the disc last time?
Cannot hear music—too noisy.	<ul style="list-style-type: none"> Are the headphone and wired remote control plugs inserted firmly? Are the plugs dirty? (Wipe away dirt on plug.) Separate the unit from mobile phones.
TV picture is distorted. Radio reception is noisy.	Are you using the unit too near a TV or tuner? (Keep the unit away from the TV or tuner.)
No reception. The FM frequency range is different.	Has the frequency step been set for your area?

Cautions

Water Resistant (Splash Proof)

This unit is splash-proof and is not designed to be used under water.

Please note the following points to avoid possible damage to the unit and the included headphones.

- Do not immerse in water.
- Do not splash water onto the unit.
- Water in the headphones jack, OUT jack, and DC IN jack may damage the unit. Cover them with the attached rubber caps when they are not in use.
- To prevent water from entering the unit, the dual locks should be locked to close the disc lid.
- If the unit or the headphones get wet with water or sweat, dry them with a soft cloth.
- Do not open the disc lid near water or sand. Before opening or closing the disc lid, be sure to wipe off water, dust or sand on the unit and operate with a dry hand.
- Make sure there is no sand or dust around the disc lid. The disc lid will not seal properly if there is, and water may get into the unit, possibly causing a malfunction.
- Do not expose the unit or the headphones to salt water. If the unit and headphones are immersed in salt water, wash them with a little fresh water then dry with soft cloth. Never wash them under running water.
- Do not place the unit and the headphones for a long period of time in high temperature and high humidity areas such as bathrooms or damp basements, etc.
- The dual locks may freeze in low temperatures. Allow the unit to return to the operational temperature range (0 °C–40 °C, 32 °F–104 °F) before opening the dual locks.

Selection and care of rechargeable /dry cell batteries

Selection

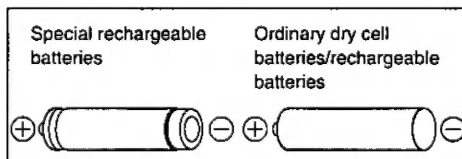
As a safety precaution, the portable CD players made by Panasonic are constructed so it is impossible to recharge ordinary batteries.

Only batteries especially designed for this unit can be recharged.

Special rechargeable Ni-Cd batteries:

P-3GAVA/2B (set of 2)

For details, check with your dealer.



- If rechargeable battery play time is shorter after recharging, the batteries have reached the end of their service life. Replace them with the recommended replacements.
- Play time may be shorter than usual after recharging batteries for the first time or after they have been unused for a long time. Repeatedly recharge and discharge the batteries if this occurs to restore them to normal.

Care

To prevent battery damage, electrolyte leakage and short-circuiting, heed the following points.

- Do not peel off the covering on batteries and do not use if the covering has been peeled off.
- Align the poles ⊕ and ⊖ correctly when inserting the batteries.
- Do not mix different types or makes of batteries or old and new batteries.
- Remove the batteries if you do not intend to use the unit for a long time.
- Do not throw into fire, short-circuit, disassemble, or subject to excessive heat.
- Do not attempt to recharge dry-cell batteries.
- Do not allow metal objects to touch the battery terminals as this may cause short-circuiting which is dangerous.
- When carrying batteries in a pocket or bag, ensure no metal objects such as necklaces are placed together with them. Contact with metal may cause short-circuiting which can cause a fire. For safety, carry the batteries in the battery carrying case.

When driving a car

In the interest of traffic safety, do not perform operation the unit while driving.

Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.
- Once you have established a comfortable sound level: Set the dial and leave it there.

Discontinue use if you experience discomfort with the headphones or earphones. Continued use may cause rashes or other allergic reactions.

Product Service

Do not attempt to remove the cover(s) or repair the unit yourself. Refer servicing to qualified personnel only.

Product information

For product service, product information or assistance with product operation, refer to the servicenter directory.